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Guidance on Industry Standard for Field Erection, Commissioning and Startup of Boilers

GIS 56-109

**BP GROUP
ENGINEERING TECHNICAL PRACTICES**

Foreword

This is the first issue of Engineering Technical Practice (ETP) BP GIS 56-109. This Guidance on Industry Standard (GIS) is based on parts of heritage documents from the merged BP companies as follows:

Amoco

A FE-BLR-00-C	Fabricated Equipment Boilers / Steam Generators Erection and Test Construction Specification.
A-FE-BLR-00-G	Fabricated Equipment Boilers / Steam Generators Guide.

PTA Engineering Practices

PTA FE-BLR-00-C	Fabricated Equipment Boilers / Steam Generators Erection and Test Construction Specification.
PTA-FE-BLR-00-G	Fabricated Equipment Boilers / Steam Generators Guide.

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1. Scope

This GIS defines requirements for field erection, inspection, and testing of boilers within scope of ASME Boiler and Pressure Vessel Code, Section I or Section VIII, Division 1, as required.

2. Normative references

The following normative documents contain requirements that, through reference in this text, constitute requirements of this technical practice. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this technical practice are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies.

American Society of Mechanical Engineers (ASME)

ASME	Boiler and Pressure Vessel Code (BPVC)
	Section I Power Boilers.
	Section VIII Pressure Vessels, Division 1.
	Section IX Welder Qualifications
ASME B31.1	Power Piping.
ASME B31.3	Chemical Plant and Petroleum Refinery Piping.
ASME 1971	Requirements for Welder Identification Stamping on Carbon Steel Materials Section VIII, Division 1

American Society for Testing & Materials (ASTM)

D 888	Testing for Oxygen in Water
D 513	Testing for Carbon Dioxide

British Petroleum (BP)

GP 18-01	General Requirements for Welded Fabrication
GP 30-90	Commissioning of Instruments and Controls
GP 32-20	Site Inspection, Testing and Pre-Commissioning
GP 32-45	In-service Inspection and Testing of Steam Plant
GP 32-47	In-service Inspection and Testing of Protective Devices
GP 32-50	Inspection and Testing of Electrical (ANSI)
GP 32-51	Inspection and Testing of Electrical (IEC)
GIS 56-101	Shop Fabricated (Packaged) Boilers
GIS 56-102	Field Constructed (Custom) Boilers.
GIS 72-104	Dry-out Requirements of Refractory Lining System
GP 72-00	Design and Selection of Refractory Lining Systems

